



model

**1202**

Wide Band  
Amplifier

features

- Extremely wide frequency response • All Silicon transistor design • Excellent Gain Stability • Wide operating temperature range • Designed for card rack mounting • Feedback stabilized • More performance per dollar than any other wide band amplifier on the market • Designed as a "building block" for the Electronic Systems Engineer and Instrumentation Engineer.

applications

1. High Speed Pulse Amplifier.
2. Audio Amplifier.
3. Increase Oscilloscope Sensitivity.
4. Increase Voltmeter Sensitivity.
5. Tape Recorder Amplifier.
6. Transducer Amplifier.
7. AC Bridges.

specifications

Gain:	Adjustable from 10 to 100 nominal, with provision for fixed gain setting if desired
Gain Stability:	Better than 0.1% at constant temperature (at fixed gain) Better than 0.05%/°C (at fixed gain)
Pulse Rise Time:	Less than 60 nanoseconds at 20 db gain
Bandwidth:	(3 db point). 20 db gain—5 cycles to 10 mc. 40 db gain—10 cycles to 1 mc
Frequency Response:	Flat to $\pm 0.5$ db. 20 db gain—10 cycles to 6 mc. 40 db gain—20 cycles to 500 kc
Output Voltage:	6 volts peak-to-peak across 1000 ohms
Output Current:	10 ma rms maximum (18 ma rms optional)
Input Impedance:	Greater than 100K ohms shunted by 25 pf.
Output Impedance:	20 db gain less than 1 ohm. 40 db gain less than 10 ohms
Power:	Requires +15 volts @ 29 ma (+25 volts optional)
Noise:	Less than 50 microvolts rms referred to input, 10,000 ohms source; less than 15 microvolts rms referred to input with input shorted
Operating Temperature Range:	Minus 55°C to plus 75°C
Size:	6" long by 3.156" wide
Material:	Glass epoxy
Mating Connector:	15 pin Cinch Jones 250 Series or equivalent (1 each supplied)
Mounting:	Designed for card rack frames with 1" between card center distance
Price:	\$95.00 F.O.B. Factory    Options: 1. +25 volt operation, \$15.00 2. 18 ma rms output, \$20.00

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WILL BE  
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NO  
POSTAGE STAMP  
NECESSARY  
IF MAILED IN  
THE  
UNITED STATES

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MANUFACTURING COMPANY

P. O. BOX 355  
ALAMO, CALIFORNIA

ZIP 94507

PLEASE SEND ME FURTHER INFORMATION ON

☐ WIDE BAND — PULSE AMPLIFIERS

☐ DC AMPLIFIERS

☐ OPERATIONAL DIFFERENTIAL AMPLIFIERS

☐ CHOPPER STABILIZED OPERATIONAL AMPLIFIERS

☐ BISTABLE TRIPS

☐ POWER SUPPLIES

☐ OTHER \_\_\_\_\_

☐ HAVE LOCAL CEMCO REPRESENTATIVE SEE ME

☐ CALL ME

☐ YES

☐ NO

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I Have a Specific Use for Your

\_\_\_\_\_in the Following Application

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COMPANY \_\_\_\_\_

STREET \_\_\_\_\_

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